

**AMENDMENTS TO THE DRAWINGS:**

The attached sheet of drawings includes changes to Fig. 5A. This sheet, which includes Figs. 5A and 5B, replaces the original sheet including Figs. 5A and 5B. In Fig. 5A, elements 520 and 530 are identified.

Attachment: Replacement Sheet

**REMARKS**

Reconsideration and allowance of the present application are respectfully requested. Claims 1, 2, 11, 12, 19, 25, 26, 29, 36, 37, 40 and 76-83, 86-94 and 97-102 remain pending in the application. Claims 3-10, 13-18, 20-24, 27, 28, 30-35, 38, 39 and 41-75 were previously canceled. By this Amendment, a corrected figure is provided; the specification is amended; claims 1, 19 and 29 are amended; and claims 84, 85, 95, 96, 103 and 104 are canceled.

On page 2 of the Office Action, the Examiner objects to the drawings under 37 CFR 1.83(a). Specifically, the Examiner asserts that "the hermetically sealed housings" of claim 89 with "components of said modulating means and said demodulating means being mounted directly to said hermetically sealed housings must be shown or the feature(s) canceled from the claim(s)." Applicants have disclosed that an exemplary circuit configuration for a transmitter and a receiver can be housed in a single housing constituting a transceiver(e.g., page 16, lines 17-19). Within the transceiver housing, the transmitter and receiver can be separately housed using, for example, hermetic seals for the transmitter and receiver, respectively. Figure 5A has been amended to identify such a housing (e.g., dashed boundaries 520 and 530). Fig. 5A description in the specification is also amended to identify the respective transceiver housing. Withdrawal of the objection to the drawings is respectfully requested.

In numbered paragraph 1, pages 3-8 of the Office Action, independent claims 1, 19 and 29, along with various dependent claims, are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-10 of US Patent 6,442,374 (Brady et al.) in view of US

Patent 5,793,253 (Kumar et al.). In view of the amended claims, the provisional rejection is traversed.

Applicants have incorporated a restated subject matter, from dependent claims 84 and 85; 95 and 96; and 103 and 104, into independent claims 1, 19 and 29, respectively. For example, claim 1 recites, among other features, regulator means having at least one DC voltage regulator for providing at least two DC output voltages; and means for inhibiting a first of said two DC voltage outputs when a second of said two DC voltage outputs is above a predetermined threshold. At least the respectively incorporated subject matter is believed not to have been taught or suggested by the Examiner's applied references. At least for these reasons, Applicants respectfully request withdrawal of the provisional rejection.

In numbered paragraph 2, pages 8-14 of the Office Action, independent claims 1, 19 and 29, along with various dependent claims, are rejected as being unpatentable over U.S. Patent 5,619,503 ('503 Dent et al.) in view of U.S. Patent 5,793,253 (Kumar et al.). In numbered paragraph 3, page 14 of the Office Action, dependent claims 84, 85, 95, 96, 103 and 104 are rejected as being unpatentable over the '503 Dent et al. patent in view of the Kumar et al. patent and further in view of U.S. Patent 4,459,651 (Fenter). In numbered paragraph 4, page 15 of the Office Action, dependent claim 89 is rejected as being unpatentable over the '503 Dent et al. patent in view of the Kumar et al. patent, and further in view of U.S. Patent 5,911,117 (Bhame et al.). These rejections are respectfully traversed.

As Applicants have previously set forth of record, and as exemplified in Fig. 1, a power output means 106 supplies an output to a first 90° hybrid 134, such 90°

hybrids being arranged in tandem to permit the use of a plurality of separate, parallel stages, or channels, of amplification (e.g., page 8, lines 7 and 8).

The foregoing and the incorporated features from the respective dependent claims are broadly encompassed by claim 1, which recites an apparatus for full duplex wireless communication of information, including, among other features, means for performing at least one of modulating and demodulating information signals, the modulated information signal being boosted in power using a plurality of 90° hybrids arranged in tandem to output a plurality of amplification channels; means for information transmission/reception, said information transmission/reception means providing for information transmission using a first polarization and for information reception using a second polarization to thereby isolate information transmission from information reception in full duplex communication; regulator means having at least one DC voltage regulator for providing at least two DC output voltages; and means for inhibiting a first of said two DC voltage outputs when a second of said two DC voltage outputs is above a predetermined threshold. Claims 19 and 29 recite similar features.

On page 14 of the Office Action, the Examiner admits "Dent does not disclose regulating power, or for that matter any manner concerning power consumption." At least for these reasons, the '503 Dent patent would not have taught or suggested the recited features of claims 1, 19 and 29. Applicants respectfully submit that the Kumar et al. patent is also silent with respect to the recited claims feature.

The Fenter patent does not cure the deficiencies of the '503 Dent patent and the Kumar et al. patent. The Examiner relies on the Fenter patent disclosure that "It is a further object of this invention to provide a switching regulator power supply

which minimizes power consumption and maximizes energy transfer notwithstanding changes in input line voltage," to assert the combination rejection. However, the cited description does not speak of Applicants' claimed "at least one DC voltage regulator for providing at least two DC output voltages," and is completely silent as to "inhibiting a first of said two DC voltage outputs when a second of said two DC voltage outputs is above a predetermined threshold." The Fenter patent, in combination with the '503 Dent patent and/or the Kumar et al. patent, would not have taught or suggested an apparatus for full duplex wireless communication of information, including, among other features, regulator means having at least one DC voltage regulator for providing at least two DC output voltages; and means for inhibiting a first of said two DC voltage outputs when a second of said two DC voltage outputs is above a predetermined threshold, as recited in claim 1.

The Bhame et al. patent does not cure the deficiencies of the '503 Dent patent, the Kumar et al. patent, and the Fenter patent. The Bhame et al. patent was applied by the Examiner for its disclosure of a "cabinet 33" for RF equipment, as best gathered from the disclosure and Fig. 3, but the Bhame et al. patent would not have taught or suggested an apparatus for full duplex wireless communication of information, including, among other features, regulator means having at least one DC voltage regulator for providing at least two DC output voltages; and means for inhibiting a first of said two DC voltage outputs when a second of said two DC voltage outputs is above a predetermined threshold, as recited in claim 1. For like reasons, the applied references would not have taught or suggested the features recited in claims 19 and 29.

For the foregoing reasons, Applicant's claims 1, 19 and 29 are allowable. The remaining claims depend from the independent claims and recite additional advantageous features which further distinguish over the documents relied upon by the Examiner. Applicants respectfully submit that the present application is in condition for allowance.

All objections and rejections raised in the Office Action having been addressed, it is respectfully submitted that the application is in condition for allowance and a Notice of Allowance is respectfully solicited.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

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By:   
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Attachment: Drawing Correction

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